

AMENDMENTS TO THE SPECIFICATION:

Please insert the following new paragraphs on page 4, after line 22:

Those described hydroxyl protective groups are ethers, esters, and, for 1,2- and 1,3-DIOLS, cyclic acetals and ketals and cyclic ortho esters.

The ethers include:

Methyl

Substituted Methyl Ethers

Methoxymethyl (MOM Group)

Methylthiomethyl (MTM Group)

Benzoyloxymethyl

t-Bytoxymethyl

2-Methoxyethoxymethyl (MEM Group)

2,2,2-Trichloroethoxymethyl

Bis(2-chloroethoxy)methyl

2-(Trimethylsilyl)ethoxymethyl

Tetrahydropyranyl (THP Group)

3-Bromotetrahydropyranyl

Tetrahydrothiopyranyl

4-Methoxytetrahydropyranyl

4-Methoxytetrahydrothiopyranyl

4-Methoxytetrahydrothiopyranyl S,S-Dioxido

Tetrahydrofuranyl

Tetrahydrothiofuranyl

Substituted Ethyl Ethers

1-Ethoxyethyl

1-Methyl-1-methoxyethyl

1-(Isopropoxy)ethyl

2,2,2-Trichloroethyl

2-(Phenylselenyl)ethyl

t-Butyl

Allyl

Cinnamyl

p-Chlorophenyl

Benzyl

p-Methoxybenzyl

o-Nitrobenzyl

p-Nitrobenzyl

p-Halobenzyl

p-Cyanobenzyl

3-Methyl-2-picoyl N-Oxido
Diphenylmethyl
5-Dibenzosuberyl
Triphenylmethyl
 α -Naphthylidiphenylmethyl
 p-Methoxyphenyldiphenylmethyl
 p-(*p*'-Bromophenacyloxy)phenyldiphenylmethyl
9-Anthryl
9-(9-Phenyl)xanthenyl
9-(9-Phenyl-10-oxo)anthryl (Tritylone Group)
Benzisothiazolyl S,S-Dioxido
Silyl Ethers
 Trimethylsilyl (TMS Group)
 Triethylsilyl
 Isopropyl dimethylsilyl
 t-Butyldimethylsilyl (TBDMS Group)
 (Triphenylmethyl)dimethylsilyl
 t-Butyldiphenylsilyl
 Methyldiisopropylsilyl
 Methyl-di-*t*-butylsilyl
 Tribenzylsilyl
 Tri-*p*-xylylsilyl
 Triisopropylsilyl
 Triphenylsilyl

The esters include:

Formate
 Benzoylformate
Acetate
 Chloroacetate
 Dichloroacetate
 Trichloroacetate
 Trifluoroacetate
 Methoxyacetate
 Triphenylmethoxyacetate
 Phenoxyacetate
 p-Chlorophenoxyacetate
 2,6-Dichloro-4-methylphenoxyacetate
 2,6-Dichloro-4-(1,1,3,3-tetramethylbutyl)phenoxyacetate
 2,4-Bis(1,1-dimethylpropyl)phenoxyacetate
 Chlorodiphenylacetate
 p-@-Phenylacetate
3-Phenylpropionate
3-Benzoylpropionate

Isobutyrate
Monosuccinoate
4-Oxopentanoate (Levulinate)
Pivaloate
Adamantoate
Crotonate
 4-Methoxycrotonate
(*E*)-2-Methyl-2-butenolate (Tigloate)
Benzoate
 o-(Dibromomethyl)benzoate
 o-(Methoxycarbonyl)benzoate
 p-Phenylbenzoate
 2,4,6-Trimethylbenzoate (Mesitoate)
 p- \oplus -Benzoate

α -Naphthoate

Carbonates

 Methyl
 Ethyl
 2,2,2-Trichloroethyl
 Isobutyl
 Vinyl
 Allyl
 Cinnamyl
 p-Nitrophenyl
 Benzyl
 p-Methoxybenzyl
 3,4-Dimethoxybenzyl
 o-Nitrobenzyl
 p-Nitrobenzyl
 S-Benzyl Thiocarbonate

Miscellaneous

N-Phenylcarbamate
N-Imidazolylcarbamate
Borate
Nitrate
N,N,N',N'-Tetramethylphosphorodiamidate
2,4-Dinitrophenylsulfonate

For protection of 1,2- and 1,3-DIOLS, the cyclic acetals and ketals include:

 Methylene
 Ethylidene
 1-*t*-Butylethylidene
 1-Phenylethylidene

2,2,2-Trichloroethylidene
Acetonide (Isopropylidene)
Butylidene
Cyclopentylidene
Cyclohexylidene
Cycloheptylidene
Benzylidene
 p-Methoxybenzylidene
 2,4-Dimethoxybenzylidene
 p-Dimethylaminobenzylidene
 o-Nitrobenzylidene
 p- \odot -Benzylidene
Phenanthrylidene Derivative;

whereas the cyclic ortho esters include:

Methoxymethylene
Ethoxymethylene
 Dimethoxymethylene
1-Methoxyethylidene
 1,2-Dimethoxyethylidene
 α -Methoxybenzylidene
1-(*N,N*-Dimethylamino)ethylidene Derivative
 α -(*N,N*-Dimethylamino)benzylidene Derivative
Disiloxanylidene Derivative
Stannoxane Derivative
Cyclic Carbonates
Cyclic Boronates
 Phenyl Boronate
 p- \odot -Phenyl Boronate